

BONDED METAL COMPONENTS HAVING UNIFORM THERMAL CONDUCTIVITY CHARACTERISTICS

ABSTRACT OF THE DISCLOSURE

Cookware having improved uniform heat transfer over the entire cross section thereof, the cookware formed from a multi-layered composite metal having a layer of titanium roll bonded at or near the core of the composite. The titanium layer is roll bonded to layers of aluminum which, in turn, is roll bonded to layers of stainless steel. The layer of stainless steel adjacent to the cooking range may be a ferritic stainless steel if induction-type heating is desired. The multi-layered composite is also suitable for making a sole plate for an iron. Both the cookware and sole plate may include a non-stick surface applied thereto.